

# Potential for structural change in coal phase-out regions

Vassilen lotzov, ESPON EGTC

### JTF actions and structural change

### (a) productive investments in SMEs,

including microenterprises and start-ups, leading to economic diversification, modernisation and reconversion;

### (b) investments in the creation of new firms,

including through business incubators and consulting services, leading to job creation;

## (c) investments in research and innovation activities,

including by universities and public research organisations, and fostering the transfer of advanced technologies;

#### Policy questions

Answers and recommendations

EU industrial decarbonization is estimated to require an annual investment of up to EUR 300 bn per year? What is the most mean ingful application field of the JTF?

EUR 17.5 bn accessible by all EU member states (a), (b) and (c) actions are expected to positively moderate the effects of entrepreneurial dynamics and the regional knowledgestock on the structural change potential.

Why particularly (a), (b) and (c) actions?

Proposed JTF actions/ cover also social / support and / land restoration /

(a), (b) and (c) moderate the effect of parameters that best explain the regional variance in diversification potential.

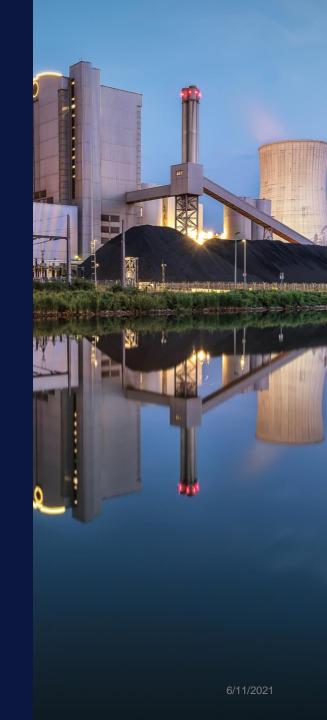
What is the social-benefit-maximising intensity of (a), (b) and (c) actions?

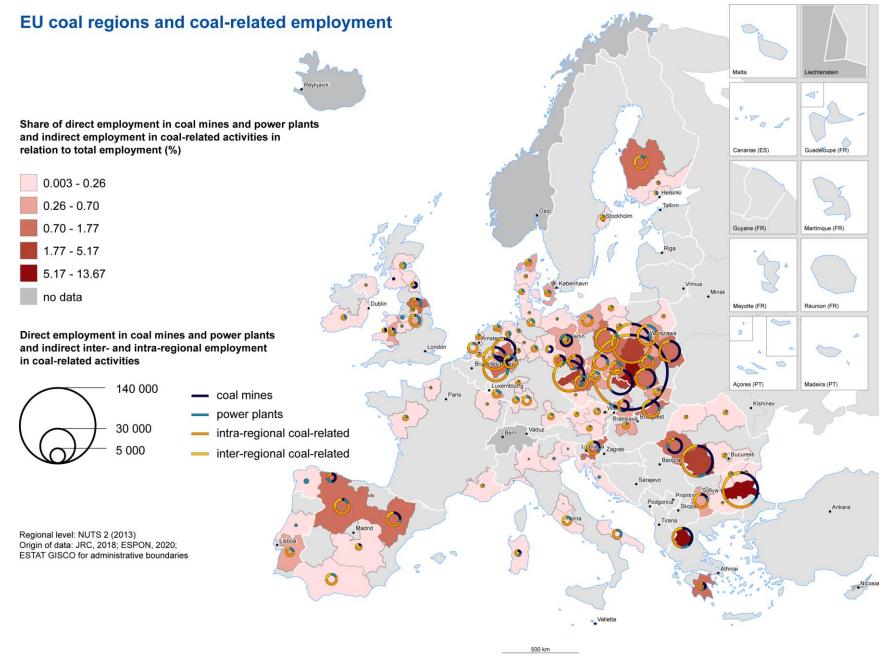
/ It can be empirically derived from evidence on Complementary tyregional entrepreneurial dynamics and the of JTF / knowledge stock.

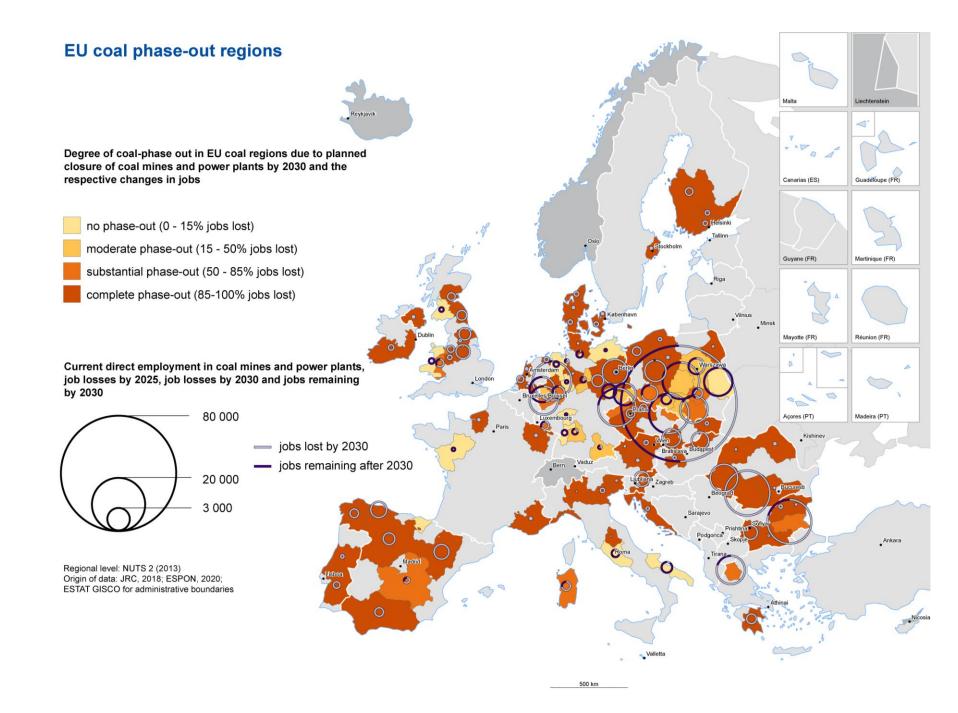
How to ligitimise conclusions on the socialbenefit-maximising intensity of (a), (b) and (c) actions? Througan Entrepreneurial Discovery Process for design and implementation of Just Transition Plans

Positively moderating structural change potential

# Which regions are most affected?

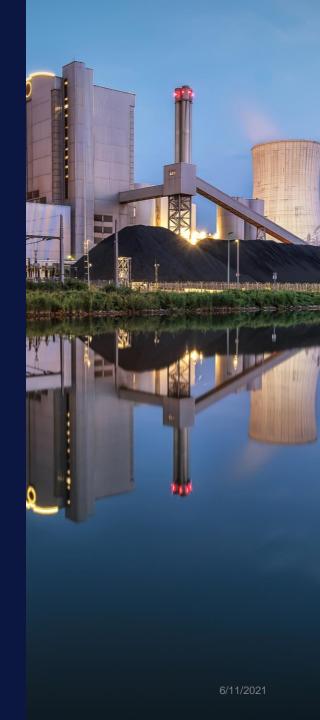




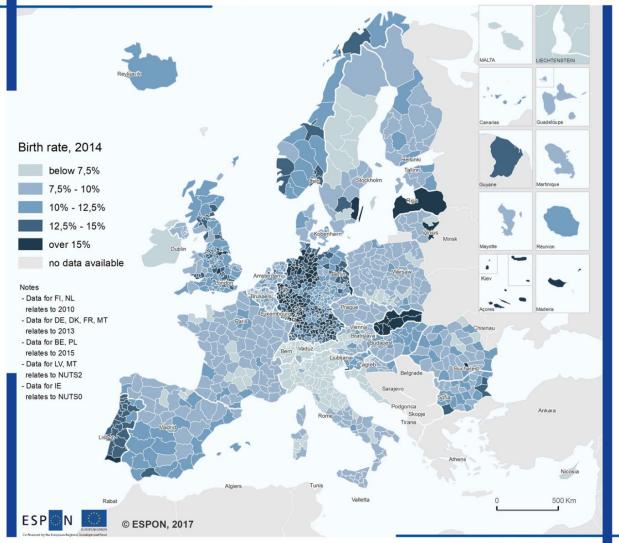




Territorial parameters for defining intensity of R&D and entrepreneurial development policies



### Birth rate, number of enterprise births divided by the number of active enterprises, 2014

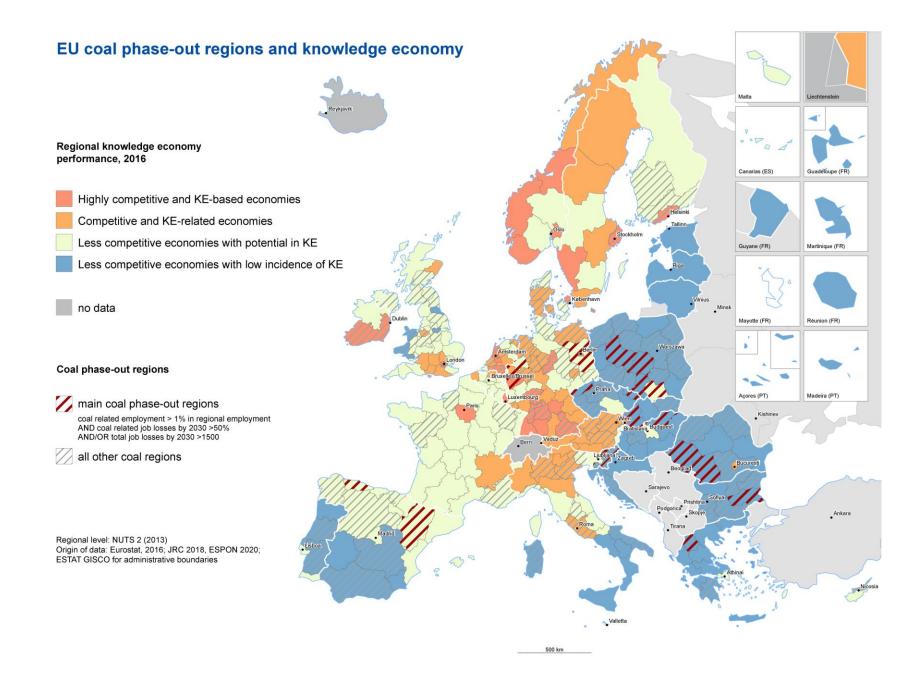


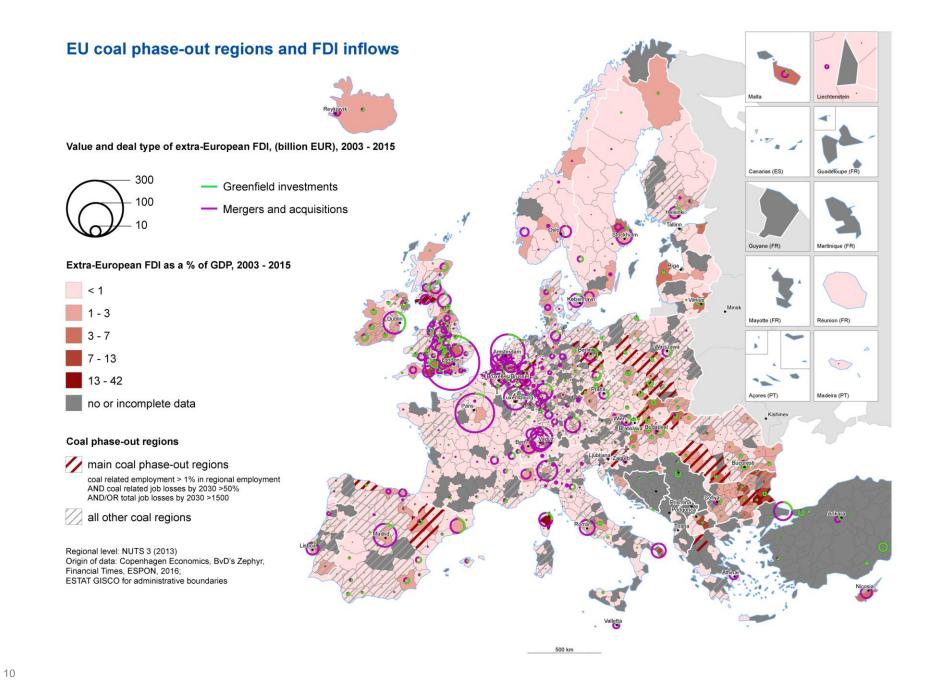
Regional level: NUTS 3 / NUTS 2 / NUTS 0 (version 2013) Source: ESPON SME, 2017

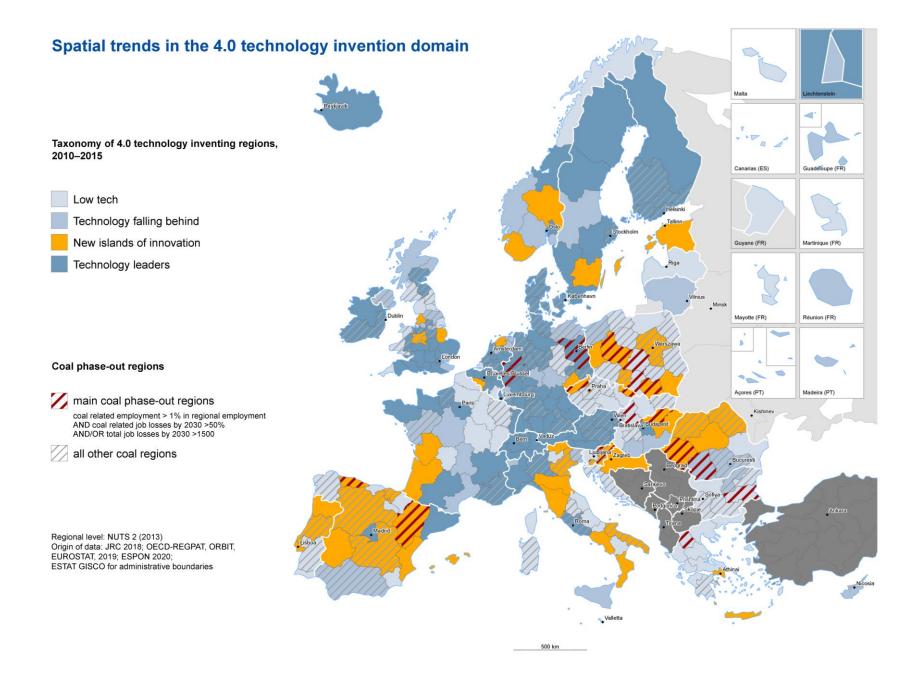
Origin of data: Eurostat Business demography, Statistics Belgium Demografie Ondernemingen, Bundesamt für Statistik Unternehmensdemographie, Orbis Database, Gewerbeanzeigenstatistik, Statistics Estonia Business demography, NACE B-S, Financial Agency, Statistics Iceland, Chamber of Commerce, Statistics Norway, Central Statistical Office of Poland, Statistics Sweden Structural Business Statistics Tillväxtanalys, Statistical Office of the Republic of Slovenia and own calculations (EIM),

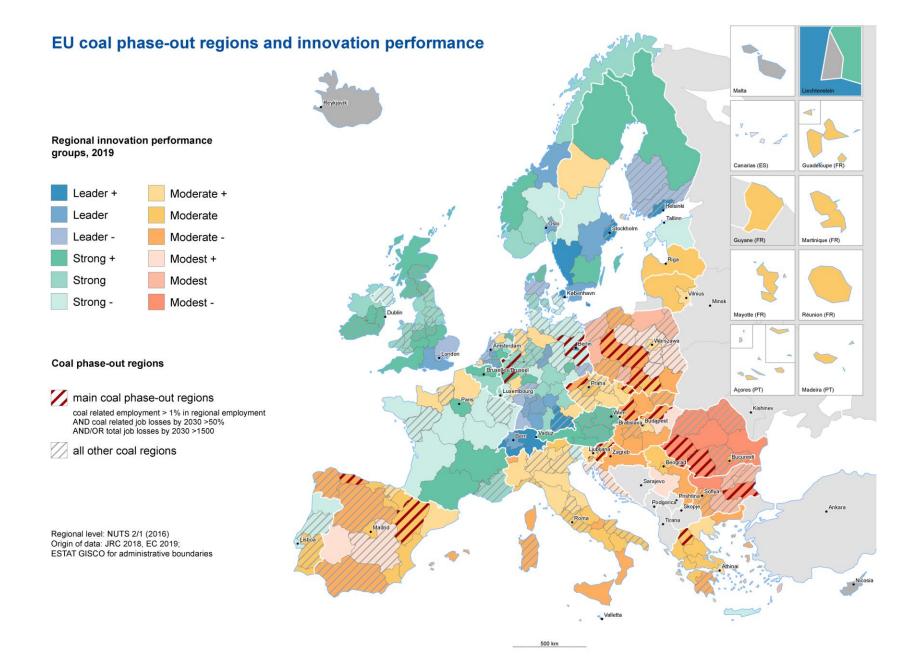
Office for National Statistics Business Demography SIC 2007 C G-N P-R

CC - UMS RIATE for administrative boundaries





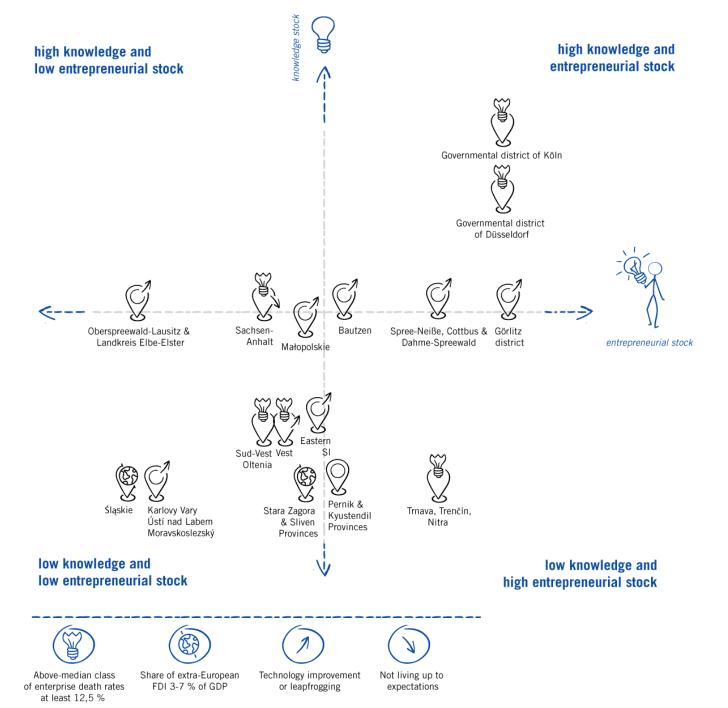




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## JTF policy mix





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### Thank you

vassilen.iotzov@espon.eu